**ENGINEERING-SCIENCE, INC.**

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MEETING NOTES**TO:** Distribution**DATE:** March 15, 1994**FROM:** Philip Nixon**MEMO #:** SP307:031694:03**PROJECT #:** Solar Pond IM/IRA**ATTENDANCE:****DISTRIBUTION:****DISTRIBUTION (CONT.)**

Steve Howard, DOE/SMS
Phil Nixon, ES
Dave Ericson, EG&G
Lee Pivonka, G&M
Harlen Ainscough, CDH
Scott Surovchak, DOE
Steve Paris, EG&G
Pat Breen, ES
Harry Heidkamp, ES
Mark Austin EG&G
Arturo Duran, EPA
Cindy Gee, ES
Alan MacGregor, ES
Peg Witherill, DOE
Steve Cullen, G&M
Lorne Everett, G&M
Jeff Linn, ERM
Ted Kearns, DOE/KMI

L. Benson, ES
A. Conklin, ES
K. Cutter, ES
S. Stenseng, ES
A. Fricke, ES
T. Kuykendall, ES
T. Evans, ES
B. Cropper, ES
C. Montes, ES
R. McConn, ES
W. Edmonson, ES
B. Wallace EG&G (Admin.
Record) (2)
S. Hughes, ES
K. London, EG&G
Jesse Roberson, DOE
Helen Belencan, DOE
Steve Howard, DOE/SMS
John Evans, ES

Steve Cooke, EG&G
Joe Schieffelin, CDH
Steve Keith, EG&G
Dave Myers, ES
R. Wilkinson, ES
S. Winston, ES
Kim Ruger, EG&G
Michelle McKee, EG&G
Marcia Dibiasi, IGO
Rich Stegen, ES
Bob Siegrist, LATO
John Rampe, DOE
Kevin Loos, DOE
Frazer Lockhart, DOE
Toni Moore, EG&G
Will Barnard, ES
Andy Ledford, EG&G
John Haasbeek, ERM
Shaleigh Whitsell, PRC

SUBJECT: Weekly Status Meeting

1) Roundtable Review/Milestone Extension

Dave Ericson presented a proposed schedule for a 36 day extended IM/IRA-EA decision document review period. The schedule addresses when the final review comments are due for the specific Parts

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of the document. Dave indicated that the particular sections addressing the removal of Building 788 would be presented for review on April 5, 1994.

Dave specified that the milestones which would be impacted by the schedule extension included:

- The april 14, 1994 first IAG submittal of the IM/IRA-EA decision document
- The June second IAG submittal of the IM/IRA-EA decision document
- The submittal of the responsiveness summary
- The final submittal of the IM/IRA-EA decision document

Harlen specified that at this time it was not appropriate to extend the design and construction components of the schedule.

Steve Howard indicated that DOE was currently drafting a letter requesting a 36 day extension for the above mentioned IAG milestones. Harlen Ainscough indicated that CDH might prefer a few additional days. CDH, EPA, and DOE agreed to discuss the number of required days in a separate meeting.

Dave Ericson stated that EG&G was forced to work towards the existing schedule until the letter is received that approves the schedule extension.

2. Proposed Path Forward for Project Re-evaluation

In response to EPA's request to re-evaluate the selected alternative in light of the fact that it may be overly conservative, EG&G, ES, and ERM/GM have put together a re-evaluation program.

The program has 4 major areas of expanded activities designed to determine an appropriate path forward.

- a) Field investigations to determine the leachability potential from soils and liners
- b) Evaluate up-gradient and down-gradient ground water quality data to determine the potential for existing ground water contamination.
- c) re-assess the leaching modeling as presented in Part IV.
- d) Determine PRGs/COCs for ground water protection.

Completion of these activities would lead to the selection of an alternative for incorporation into the IM/IRA decision document.

Harlen indicated that CDH was mostly concerned with the potential leachability from the lines to establish the applicability of the 1000 year siting criteria. Phil Nixon responded that a soil leachability assessment was also important to determine the need for a subsurface drain.

Harlen Ainscough specified that he wanted a rough calculation performed to predict whether the liners would fail a TCLP test. **ES will take the lead on identifying and performing a calculation.**

It was discussed that the constituents of concern for protection of ground water might be different from the constituents of concern identified for the upward exposure pathways (inhalation, ingestion, and dermal contact). Therefore, it was agreed that other constituents would need to be evaluated to see if soil concentrations could impact ground water quality. Process knowledge, historical ground water monitoring data, and the potential constituents of concern may be considered for the development of preliminary remediation goals.

Lorne Everett indicated that field leachability studies should provide useful results for enhancing the vadose zone model for metal constituents. However, he specified that the leaching studies for radionuclides are more difficult to conduct and that the results might be less reliable.

Arturo Duran indicated that colloid transport of contaminants in ground water has been suspected at the RFP. **ES will investigate the potential for colloid transport of contaminants through OU2 sources.**

ES will propose a plan to determine PRGs/COCs for the protection of ground water.

Harlen Ainscough specified that the Colorado ground water protection standards would be used to establish PRGs wherever possible and risk-based PRGs should be calculated for constituents that do not have a ground water protection standard. Elizabeth Potter at the CDH is a contact person to discuss the ground water PRGs.

The logic diagram will be modified to address comments and provide additional detail.


3) Comments on Part V of the IM/IRA-EA decision document

ERM/G&M were given comments on the Post Closure Monitoring and Assessment Program. Comments were provided by Steve Paris at EG&G and ES.

The significant comments are highlighted below:

- A QA/QC plan will be developed specifically for the installation of the monitoring devices (This may be detailed during title design)
- The abandonment of the monitoring devices would be re-evaluated with an emphasis on closure in-place to minimize impacts on the engineered cover.

It was agreed that only the conceptual design information would be provided for the public review.


Philip Nixon, Project Manager

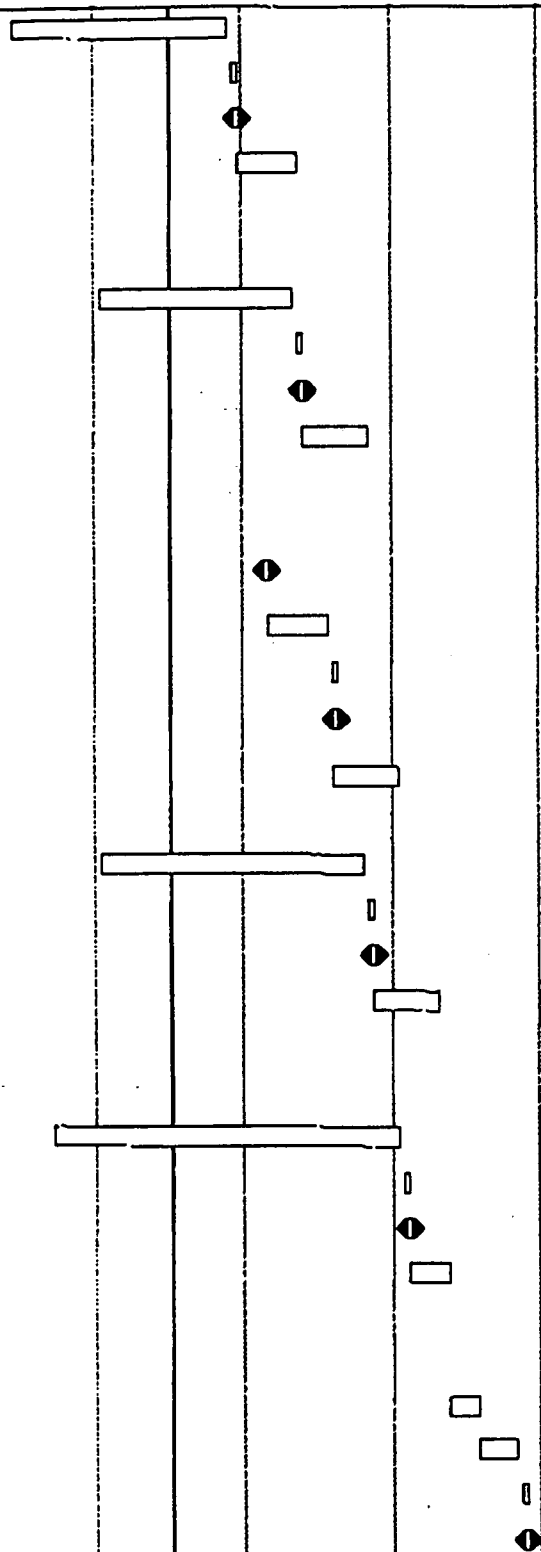
OPERABLE UNIT NO.4 SOLAR EVAPORATION PONDS

MARCH 22, 1994

AGENDA

- o **PROPOSED DELETION OF PHASE II RFI/RI WORK PLAN
FROM IM/IRA DECISION DOCUMENT**
- o **REVIEW PART VI PHASE II RFI/RI WORK PLAN COMMENTS**
- o **ROUNDTABLE REVIEW SCHEDULE STATUS (COMMENTS
WILL NOT BE ACCEPTED AFTER COB TODAY)**

Activity	Start	Finish	Days	Float	2/1/94	3/1/94	4/1/94	5/1/94	6/1/94
Roundtable Review/Comment of Parts I, II and III	2/14/94	3/28/94	31	0					
Team Meeting for Parts I, II and III Review	3/29/94	3/29/94	1	0					
Final Comments Due for Part I, II, and III	3/29/94	3/29/94	0	0					
Comment Incorporation / Resolution for Parts I, II and III	3/30/94	4/12/94	10	21					
Roundtable Review/Comment of Part IV	3/2/94	4/11/94	29	0					
Team Meeting for Part IV Review	4/12/94	4/12/94	1	0					
Final Comments Due for Part IV	4/12/94	4/12/94	0	0					
Comment Incorporation / Resolution for Part IV	4/12/94	4/26/94	10	11					
Meeting To Distribute Bldg 788 Modified Pages	4/5/94	4/5/94	1	0					
Review of Building 788 Inclusions into IM/IRA	4/6/94	4/18/94	9	0					
Team meeting for Building 788 Review	4/19/94	4/19/94	1	0					
Final Comments Due for Building 788 Inclusions	4/19/94	4/19/94	0	0					
Comment Incorporation / Resolution for Bldg 788	4/19/94	5/2/94	10	7					
Roundtable Review of Part V	3/2/94	4/25/94	38	0					
Team Meeting for Part V Review	4/26/94	4/26/94	1	0					
Final Comments Due for Part V	4/26/94	4/26/94	0	0					
Comment Incorporation / Resolution for Part V	4/27/94	5/10/94	10	1					
Roundtable Review of Part VI	2/22/94	5/2/94	50	0					
Team Meeting for Part VI	5/3/94	5/3/94	1	0					
Final Comments Due for Part VI	5/3/94	5/3/94	0	0					
Comment Incorporation / Resolution for Part VI	5/4/94	5/12/94	7	0					
EG&G Final Review	5/12/94	5/18/94	6	0					
Print/Compile Draft Proposed Phase I IM/IRA EA DD	5/18/94	5/26/94	7	0					
Transmittal to EG&G	5/27/94	5/27/94	1	0					
IAG Commitment #1	5/27/94	5/27/94	0	0					



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